



# Transportation Vision 2040

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## Community Meetings

Augusta Planning & Development Department  
Augusta GA

July 2015



# Transportation Vision 2040

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- ❖ Introduction
- ❖ Metropolitan Transportation Planning Process
- ❖ Public Participation
- ❖ Vision, Goals and Objectives
- ❖ Transportation Needs Assessment
- ❖ Financial Plan
- ❖ Draft 2040 Long Range Transportation Update
- ❖ FY 2015-2018 Transportation Improvement Program Draft Amendments



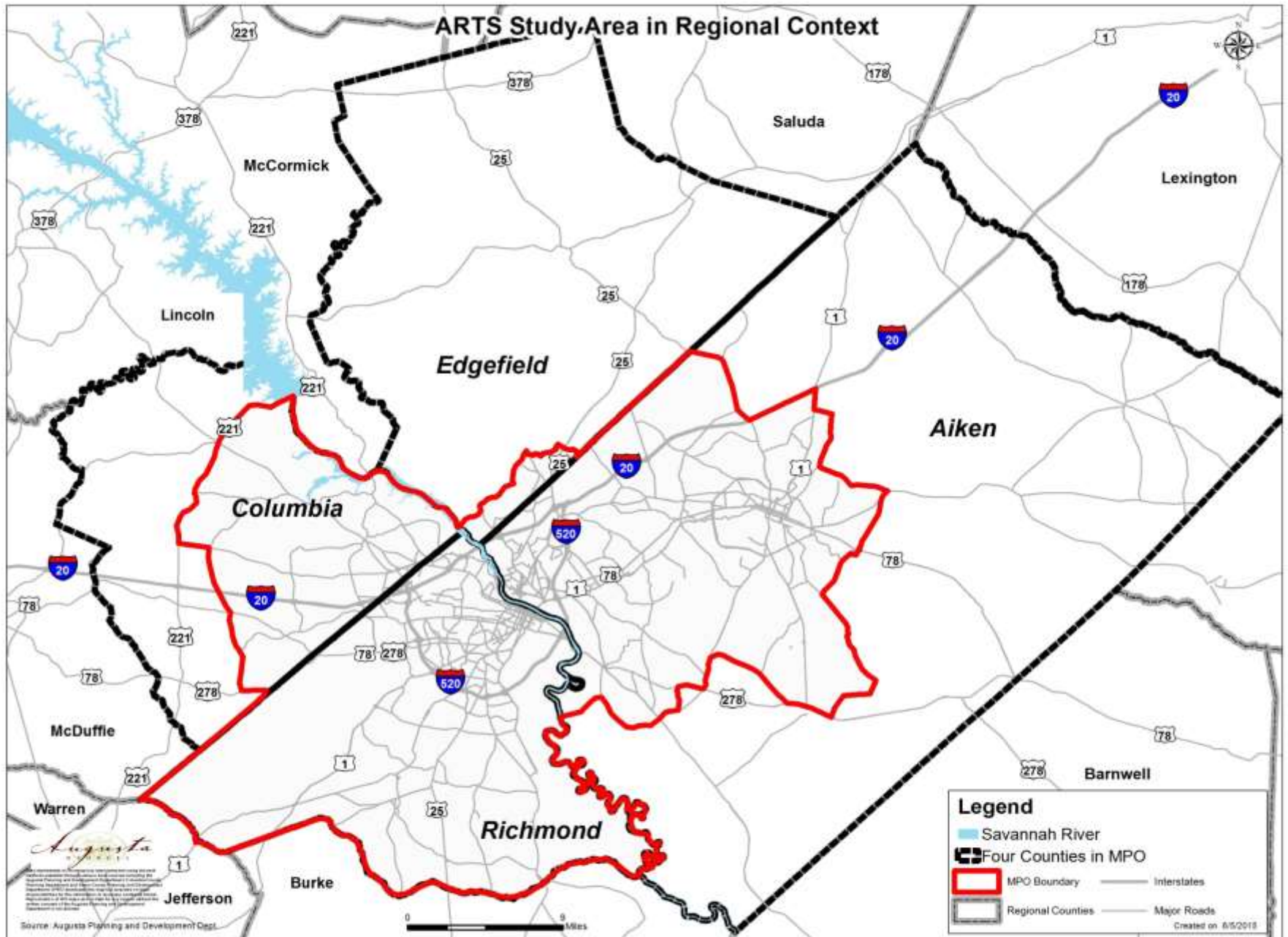
# What is ARTS?

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- Augusta Regional Transportation Study
- Federally designated bi-state MPO engaged in regional transportation planning
- Metropolitan Planning Organization (MPO) serving the Augusta –Richmond, GA – Aiken, SC Metropolitan Statistical Area
- Partners with GDOT, SCDOT, FHWA, FTA, EPA, Richmond and Columbia Counties GA; and Aiken and Edgefield Counties SC
- Programs USDOT federal-aid transportation dollars for multimodal transportation infrastructure



# ARTS Study Area in Regional Context



Augusta  
PLANNING AND DEVELOPMENT  
DEPARTMENT

Source: Augusta Planning and Development Dept.

Created on: 8/5/2015



# MPO Organizational Structure



**AUGUSTA PLANNING  
AND DEVELOPMENT  
Dept.**

**POLICY COMMITTEE**  
Elected and Appointed Officials  
State and Local

**SOUTH CAROLINA POLICY  
SUBCOMMITTEE**  
Local Elected Officials  
Appointed Officials

**TECHNICAL COORDINATING  
COMMITTEE**  
(State and Local)  
Planners and Engineers

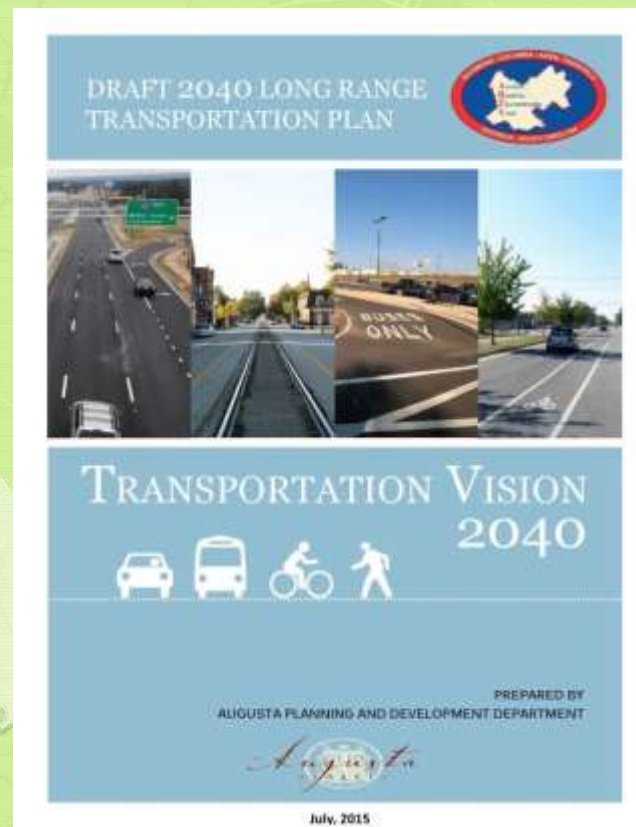
**CITIZENS ADVISORY  
COMMITTEE**  
Citizens from the  
study area



# Long Range Transportation Plan

## • Transportation Vision 2040

- ✓ Minimum 20-year planning horizon
- ✓ Assess multimodal transportation needs
- ✓ Identify and program improvement projects
- ✓ Safety and security component
- ✓ Performance Measures
- ✓ Financial Plan / Financial Constraint
- ✓ Approved by ARTS Policy Committee







# Transportation Vision 2040 Planning Process

## Define Vision, Goals, Objectives, and Existing Conditions

Public and Committee  
Input

Growth Indicators, System  
Performance and Future Land  
Development

## Identify Needs

### Current and Projected Transportation Deficiencies

- Traffic Safety
- Congestion
- Public Transit to Connect to Jobs and Livability
- Bike, Pedestrian Path and Sidewalks
- System Operations and Maintenance
- Age – Friendly Communities – Growing Elderly and Retiree Populations

## Identify Transportation Improvement Strategies

Highway Capacity/Widening  
Projects

Intersection Operations/ITS

Complete Streets and Context  
Sensitive Design (Bike/Pedestrian &  
Sidewalks)

Public Transit Improvements &  
Regional Rideshare

Intermodal Freight



# Transportation Vision 2040

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***Public Participation: What You Told Us?***  
***Community Input and Survey Results***





# Public Participation

## Public Notification

- Press releases sent to TV, Radio Stations, and Newspapers;
- Flyers (Spanish, Korean & Chinese) posted on buses and at transit stations, municipal buildings, and meeting venues;
- Yard signs posted at meeting venues;
- Bill drops (English and Spanish) sent to 91,000 water bill customers
- Social media: Revised ARTS web site, Facebook and Twitter.

## COMMUNITY MEETINGS

### FUTURE TRANSPORTATION IMPROVEMENTS

Improve traffic flow and safety, public transit, sidewalks, pedestrian and bicycle paths



Transpo

Public Revl  
July 22, 2015

GEORGIA

Monday, July 27, 2015: 5:30 - 7:30 P

Gracewood Community Center

2309 Tobacco Road

Augusta, GA, 30906

Tuesday, July 28, 2015: 5:30 - 7:30 P

## Reuniones Comunitarias

### FUTURAS MEJORAS AL SERVICIO DE TRANSPORTE

Mejorar el flujo y seguridad del tráfico, transporte público, aceras, caminos para peatones y bicicletas.



Visión de Transporte 2040

operación pública y comentarios de periodo

22 de Julio de 2015 - 20 de Agosto de 2015

GEORGIA

Lunes, 27 de Julio de 2015: 5:30 - 7:30 PM

SOUTH CAROLINA

Jueves, 23 de Julio de 2015: 5:30 - 7:30 PM

Odell Weeks Activity Center

## 지역사회 회의

### 미래 교통 시스템 향상

교통 흐름과 안전, 대중 교통, 보도, 그리고 보행자와 자전거 전용 도로



교통 시스템 비전 2040

공개 검토: 한국 교통 시간

22일 7월, 2015 - 20일 8월, 2015

GEORGIA

월요일, 7월 27일 2015: 5:30 - 7:30 PM

Gracewood Community Center

2309 Tobacco Road

Augusta, GA, 30906

월요일, 7월 28일 2015: 5:30 - 7:30 PM

Sand Hills Community Center

2540 Wheeler Road

Augusta, GA, 30904

목요일, 7월 30일 2015: 5:30 - 7:30 PM

Evans Government Complex, Auditorium

630 Ronald Reagan Drive

Evans, GA, 30609

OPEN HOUSE

토요일, 8월 1일, 2015: 9:30 AM - 12:00 NOON

Augusta-Richmond County Municipal Building

Linda Sealey Community Meeting Room, 1st Floor

535 Telfair Street

Augusta, GA, 30901

SOUTH CAROLINA

목요일, 7월 23일 2015: 5:30 - 7:30 PM

Odell Weeks Activity Center

1700 Whiskey Road

Aiken, SC, 29803

월요일, 8월 3일 2015: 5:30 - 7:30 PM

Riverview Park Activities Center

100 Riverview Park Drive

North Augusta, SC, 29841

## 社區會議

### 未來交通改善

改善交通流量和安全, 公共交通, 行人道, 行人和自行車道, 2040年交通系統



2040交通規劃

公開審查和意見徵詢時間

July 22, 2015 - August 20, 2015

GEORGIA

星期一, 2015年7月27日: 5:30 - 7:30 PM

Gracewood Community Center

2309 Tobacco Road

Augusta, GA, 30906

星期二, 2015年7月28日: 5:30 - 7:30 PM

Sand Hills Community Center

2540 Wheeler Road

Augusta, GA, 30904

星期四, 2015年7月30日: 5:30 - 7:30 PM

Evans Government Complex, Auditorium

630 Ronald Reagan Drive

Evans, GA, 30609

OPEN HOUSE

星期六, 2015年8月1日: 9:30 AM - 12:00 NOON

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星期一, 2015年8月3日: 5:30 - 7:30 PM

Riverview Park Activities Center

100 Riverview Park Drive

North Augusta, SC, 29841

邀請市民就未來的2040年交通規劃, 和目前2015-2018年交通規劃 (TIP) 進行審查及提供建議

如對有關會議的詳細信息有查詢, 請聯絡 Augusta Planning & Development (206) 825-4705。總機人員將提供有關會議的更多信息。



# Public Participation

Edgefield

## ***Public Participation Summary:***

- Speaker Bureaus
  - ✓ Presentations - 11
  - ✓ Attendees – 340
- Community Meetings
  - ✓ Presentations - 11
  - ✓ Attendees - 102
  - ✓ Goal Setting - 76
  - ✓ Meeting Evaluation - 62
- Goal Setting - 27 online visits
- Travel Behavior Survey - 785
- August Public Transit Ridership Survey - 599
- Aiken Best Friends Express Ridership Survey - 63

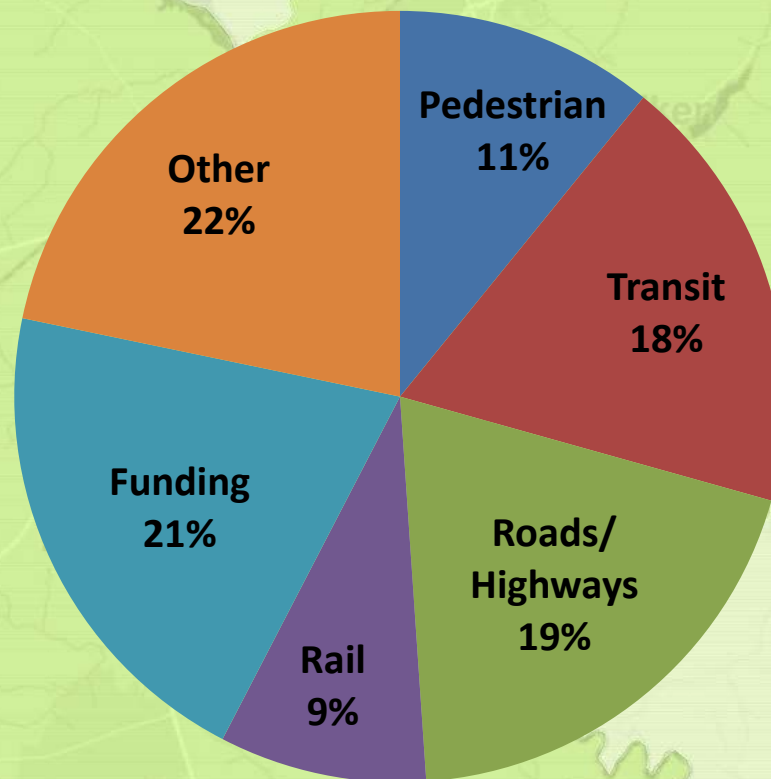






# Community Meetings

## *Questions/Inquiries Received:*



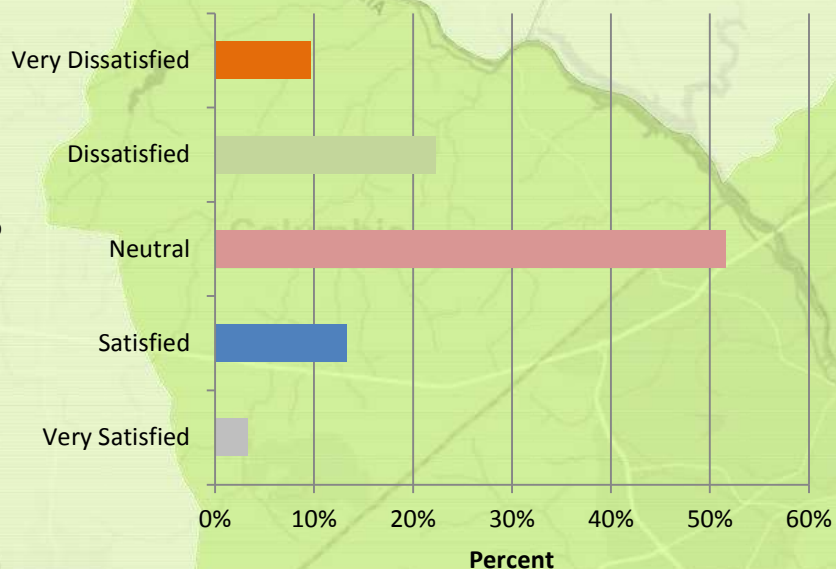




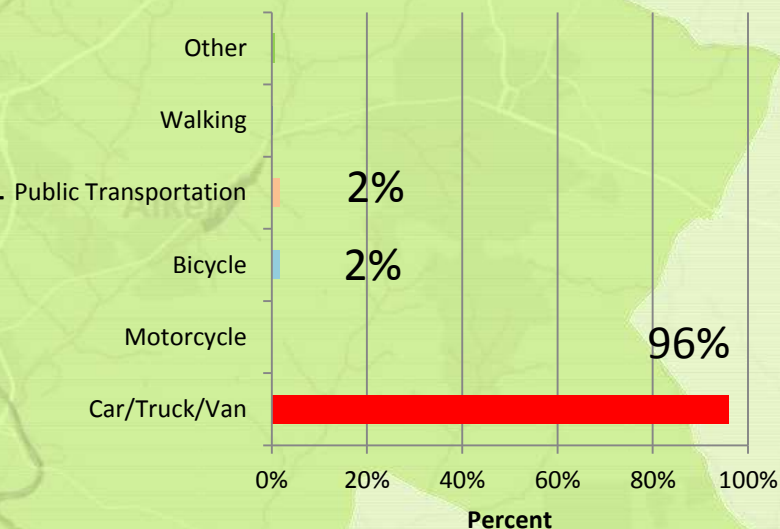
# Travel Behavior Survey

## Travel Modes

Satisfaction with Transportation System in  
ARTS Region



Mode of Transportation



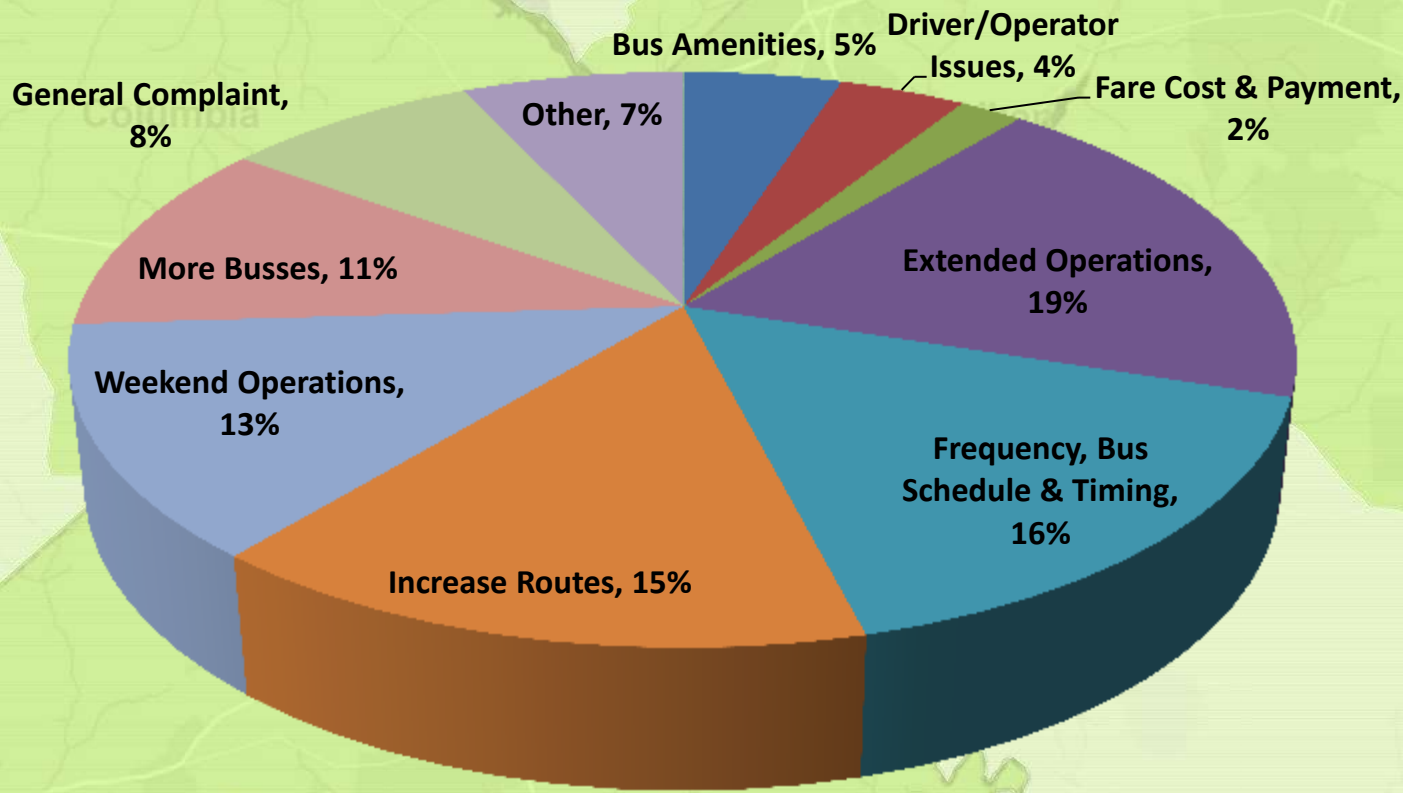
### In General

- Car, truck and van is primary mode of travel
- People are not satisfied with the current system
- Lack of alternative transportation options



# Public Transit Survey

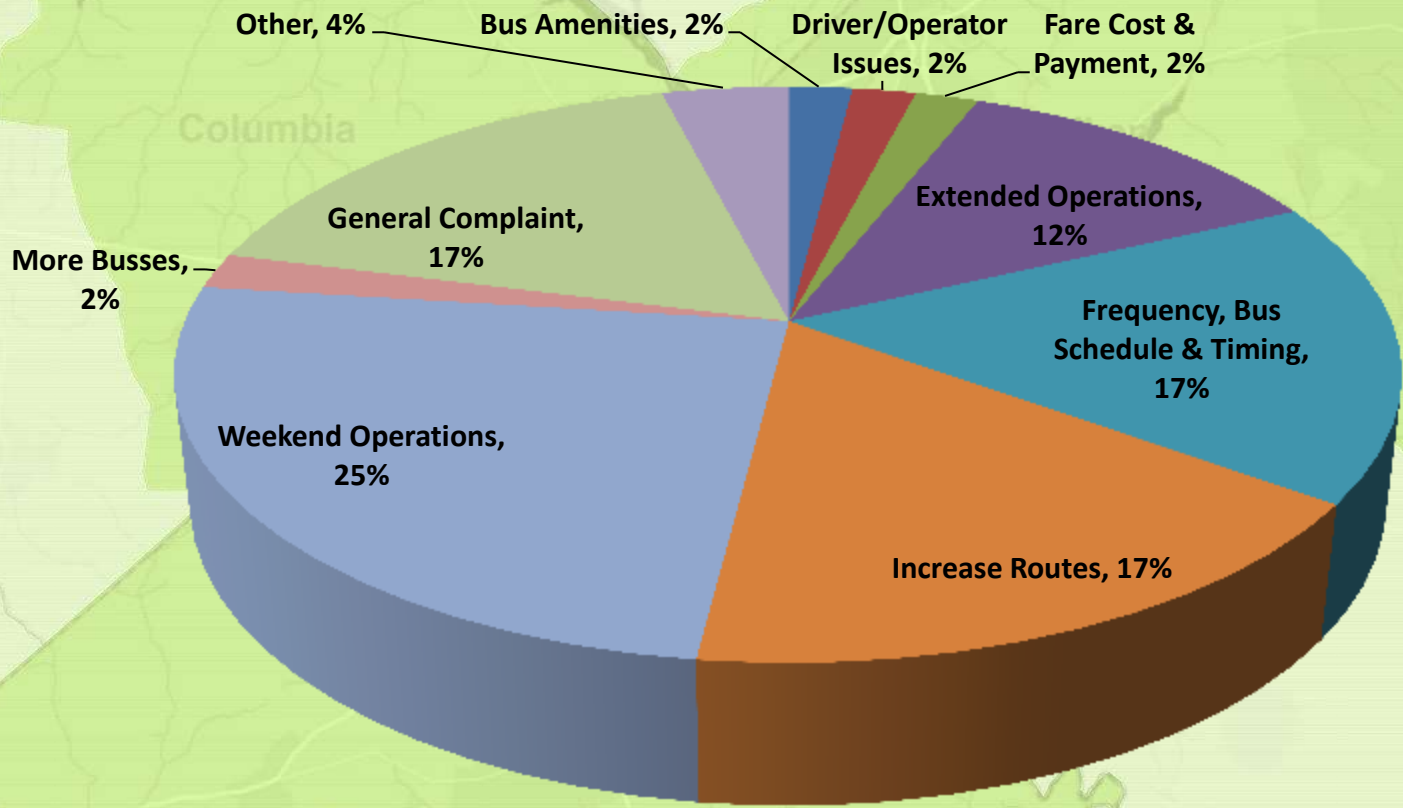
Edgefield  
**Augusta Public Transit Comments Received**





# Public Transit Survey

Edgefield  
Best Friend Express Comments Received

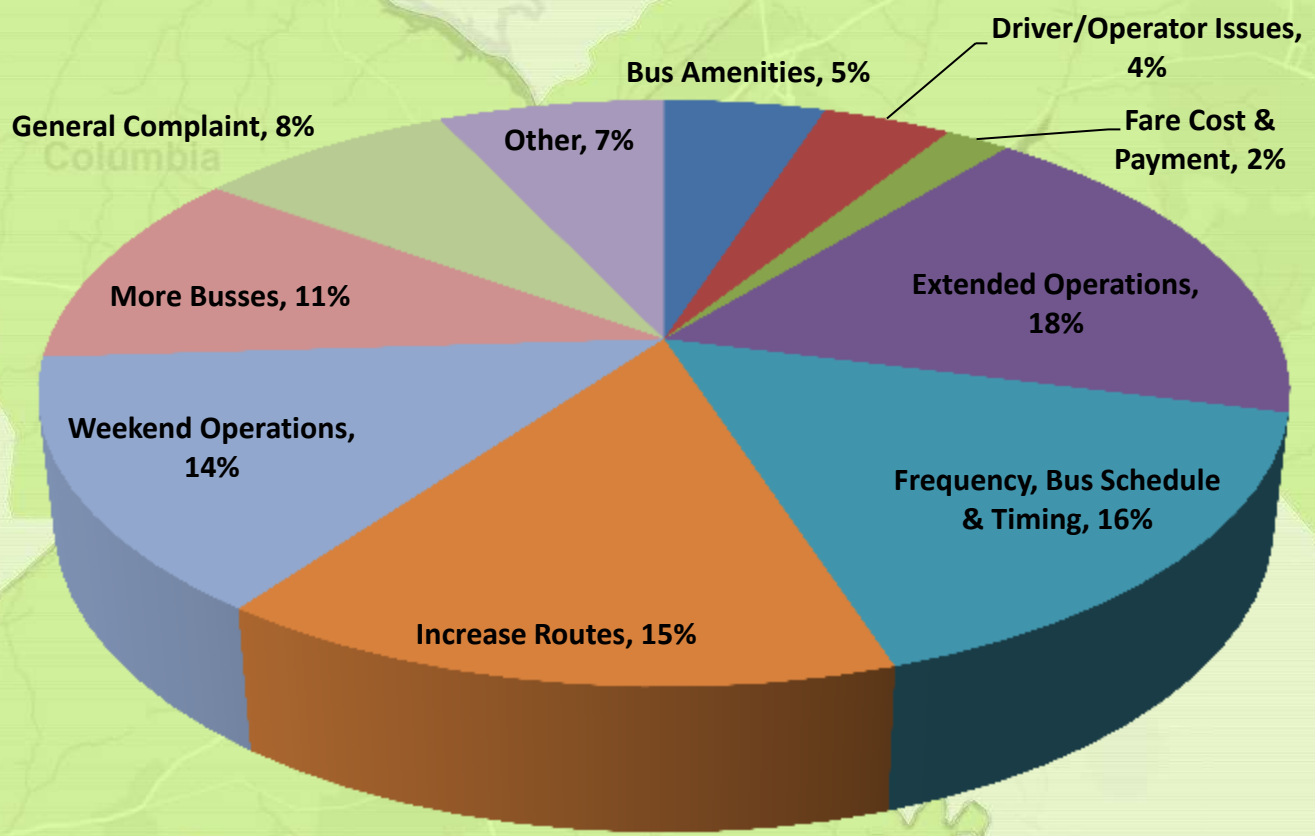






# Public Transit Survey

Edgefield  
**ARTS Public Transit (APT & BFE) Comments Received**





# Transportation Vision 2040 Goals

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## ***Vision Statement Focus:***

- ***Sustain Regional Economic Growth and Vitality***
- ***Reduce Congestion***
- ***Improve Traffic Safety***
- ***Improve Regional Mobility For All Citizens***
- ***Transportation Connections to Jobs/Training, Education, Healthcare, Recreation, Shopping, Entertainment and Tourists Attractions***
- ***Transportation Services for Elderly and Retirees***



# Transportation Vision 2040 Goals

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## 1. Congestion

Develop a multimodal transportation system that promotes strategies to reduce traffic congestion and delay.

## 2. Mobility, Accessibility and Connectivity

Develop a multimodal transportation system that promotes strategies that improve mobility and accessibility for motorized and non-motorized users of the transportation network including freight and goods movement.

## 3. Safety and Security

Develop a multimodal transportation system that increases the security of the transportation system and promotes strategies to reduce traffic crashes and injury outcomes.





# Transportation Vision 2040 Goals

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## **4. Maintenance, System Preservation and Operational Efficiency**

Develop a transportation system that will allow mobility throughout the region by improving the physical condition and maintenance of the transportation network, and provide efficient and safe movement of persons and goods/freight.

## **5. Economic Vitality and Environmental Stewardship**

Develop a transportation system that will enhance the economic, social, and environmental fabric of the region through coordinated transportation and planned land use.

## **6. Land Use and Transportation Integration**

Promote efficient land use and development patterns to improve safety and economic vitality to meet existing and future multimodal transportation needs.

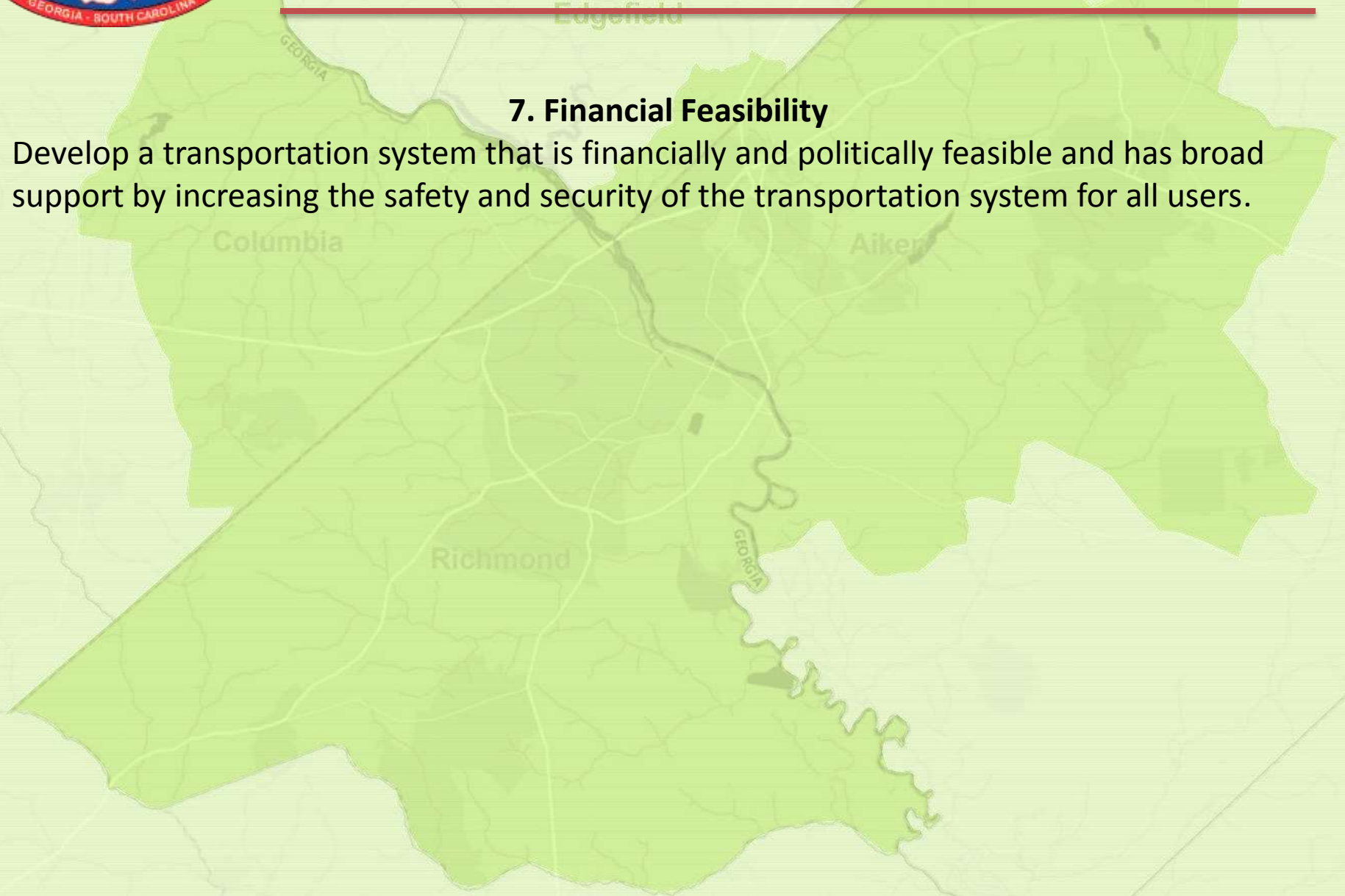


# Transportation Vision 2040 Goals

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## 7. Financial Feasibility

Develop a transportation system that is financially and politically feasible and has broad support by increasing the safety and security of the transportation system for all users.





# Transportation Vision 2040

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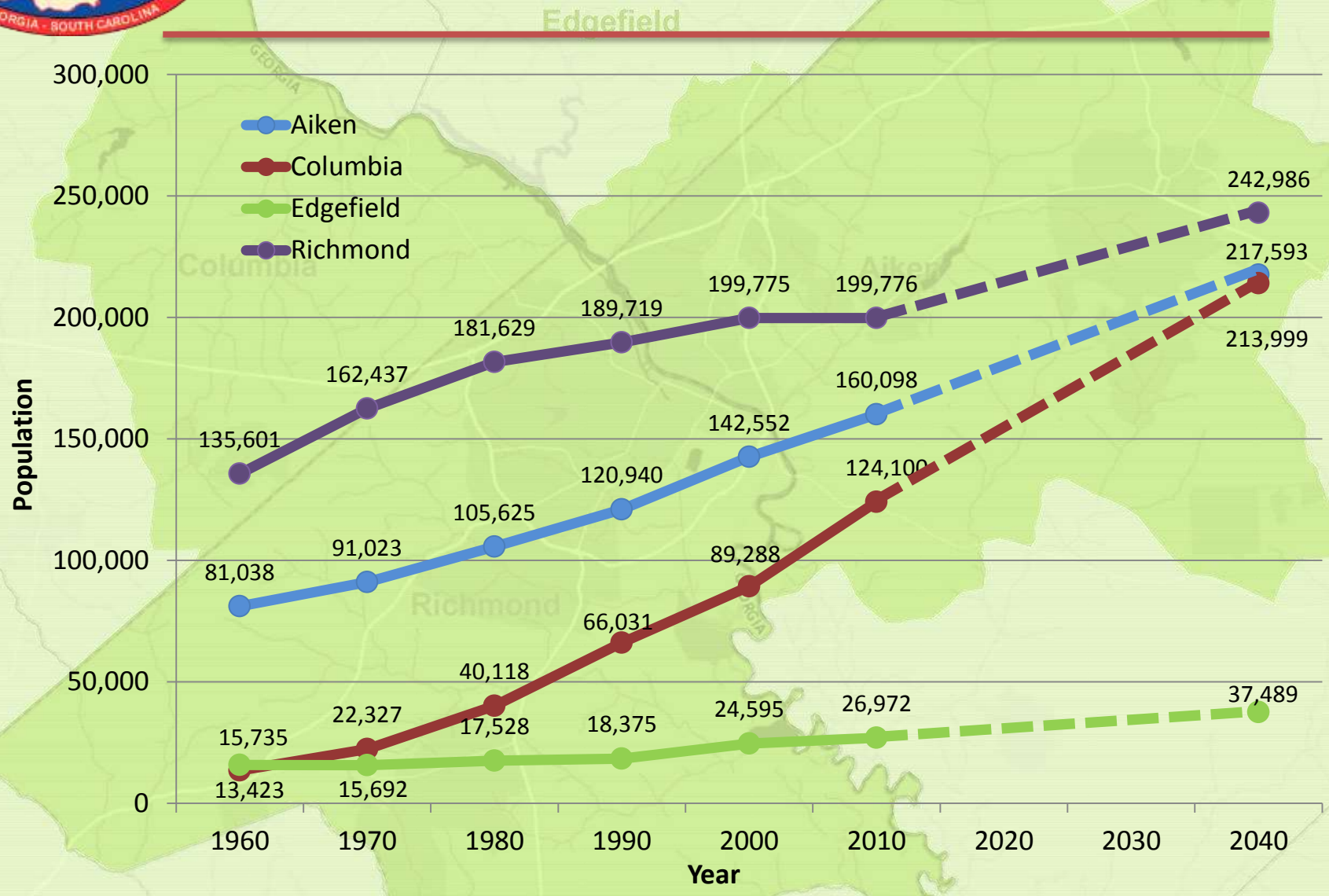


***ARTS Regional Growth Indicators***

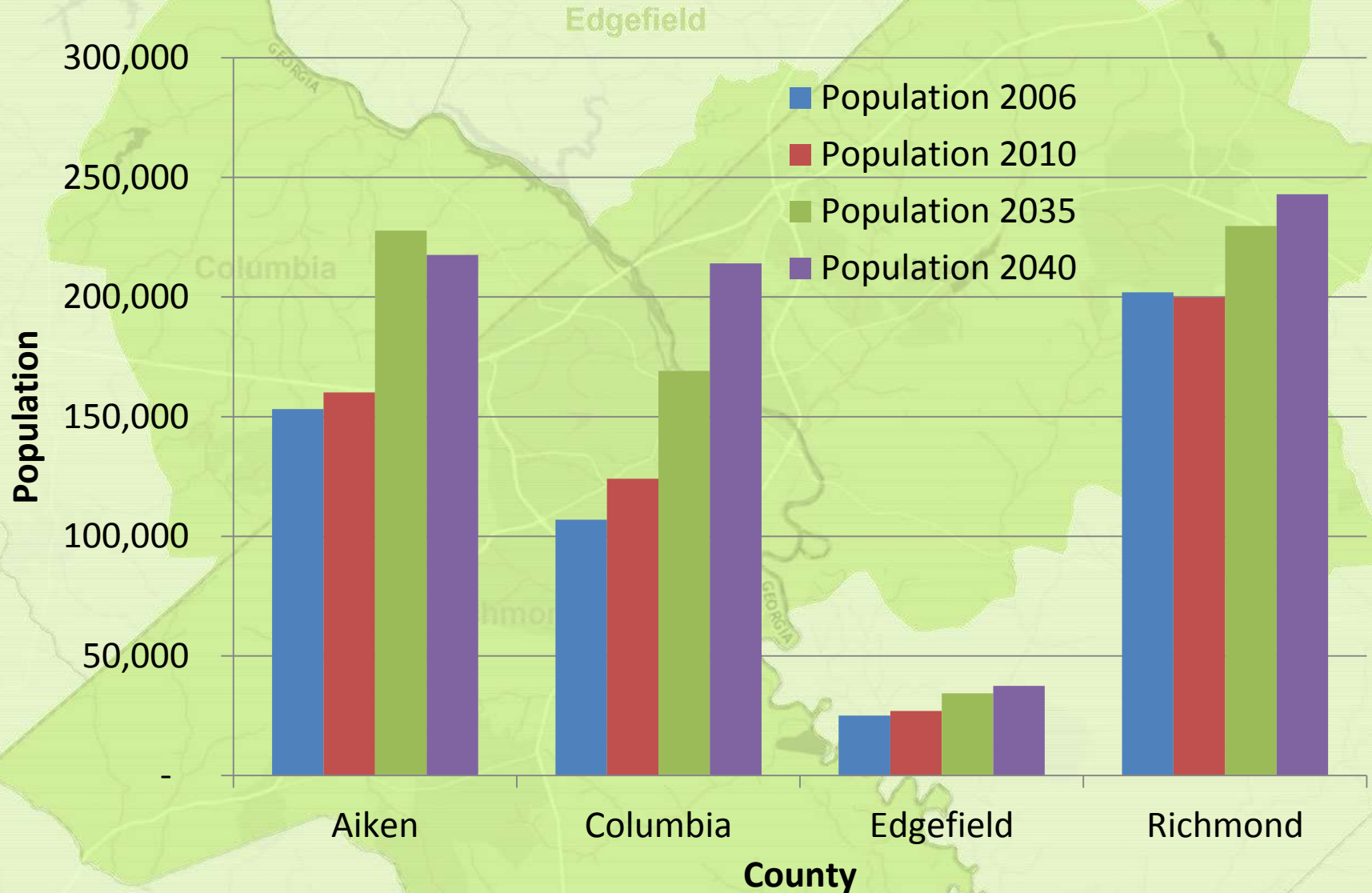




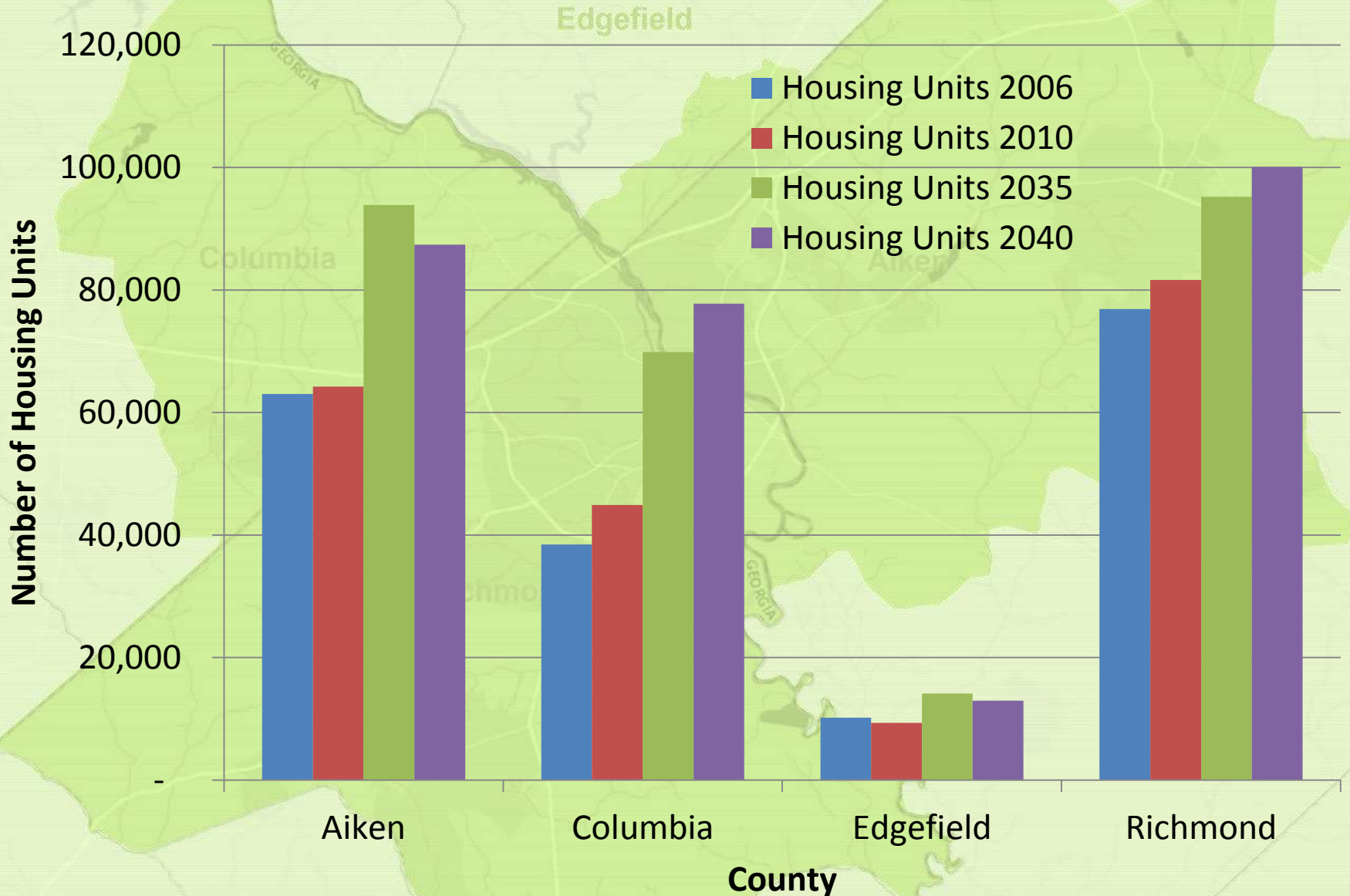
# Population



# Population Projections Comparison

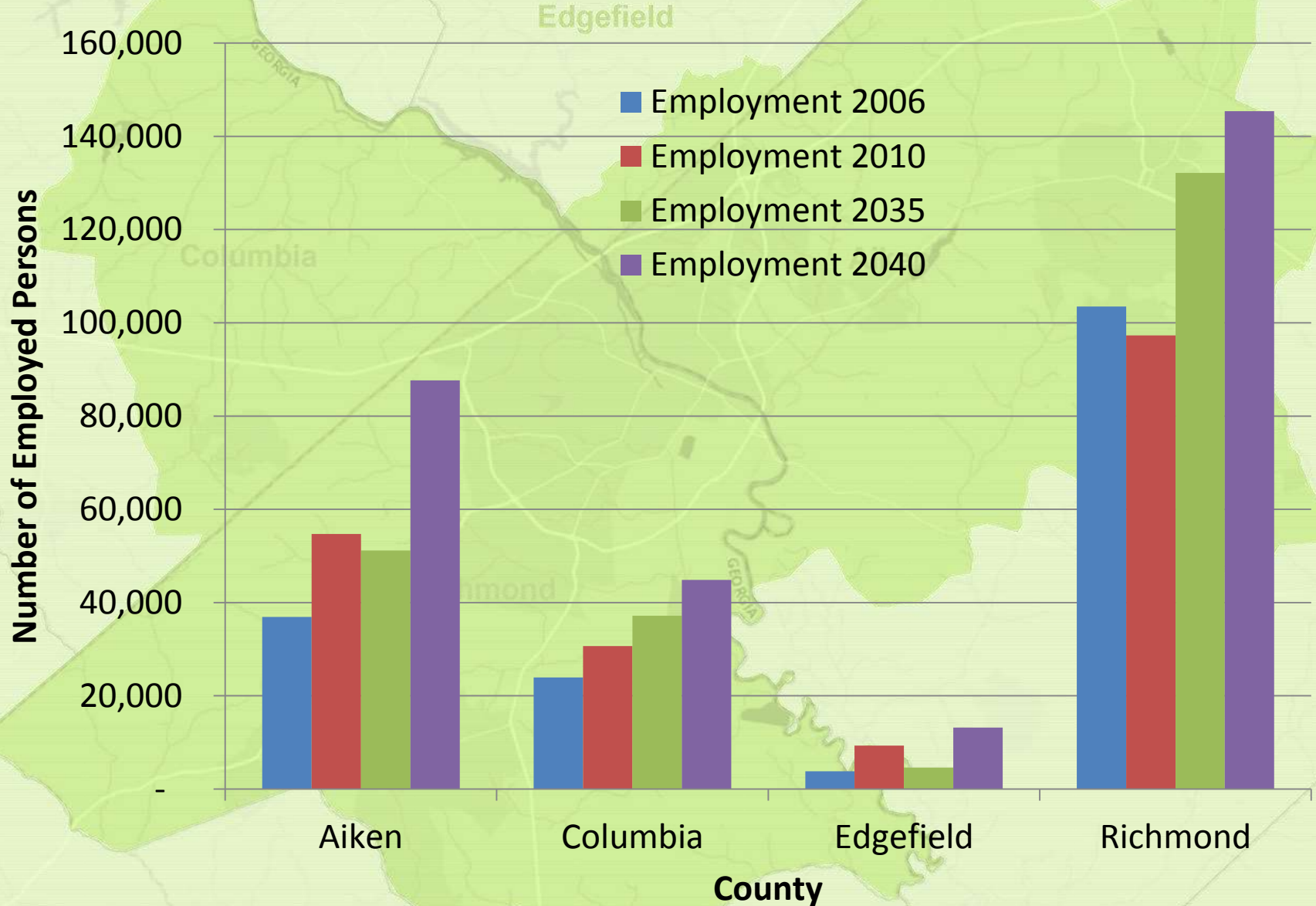


# Housing Units Projections Comparison



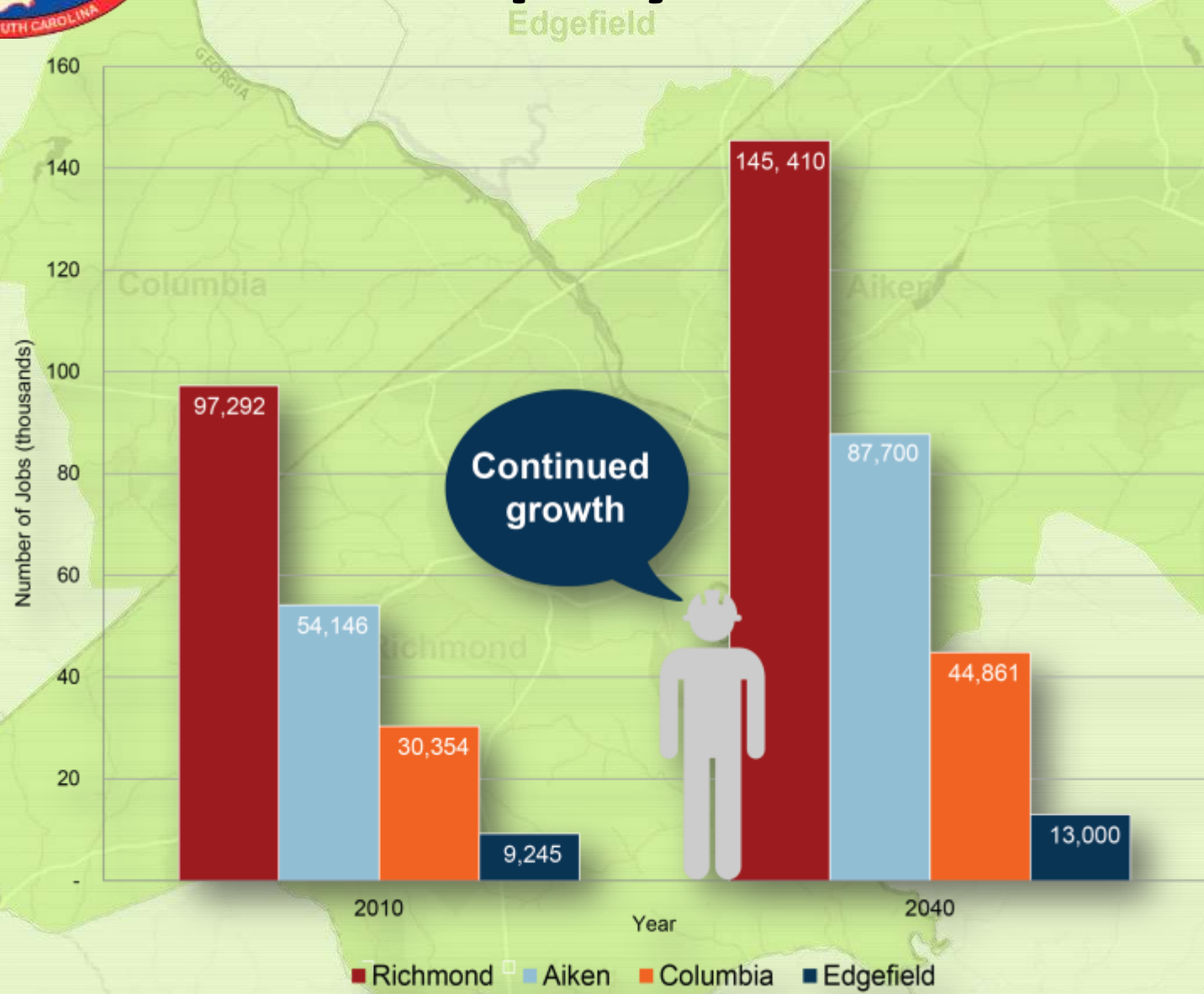


# Employment Projections Comparison



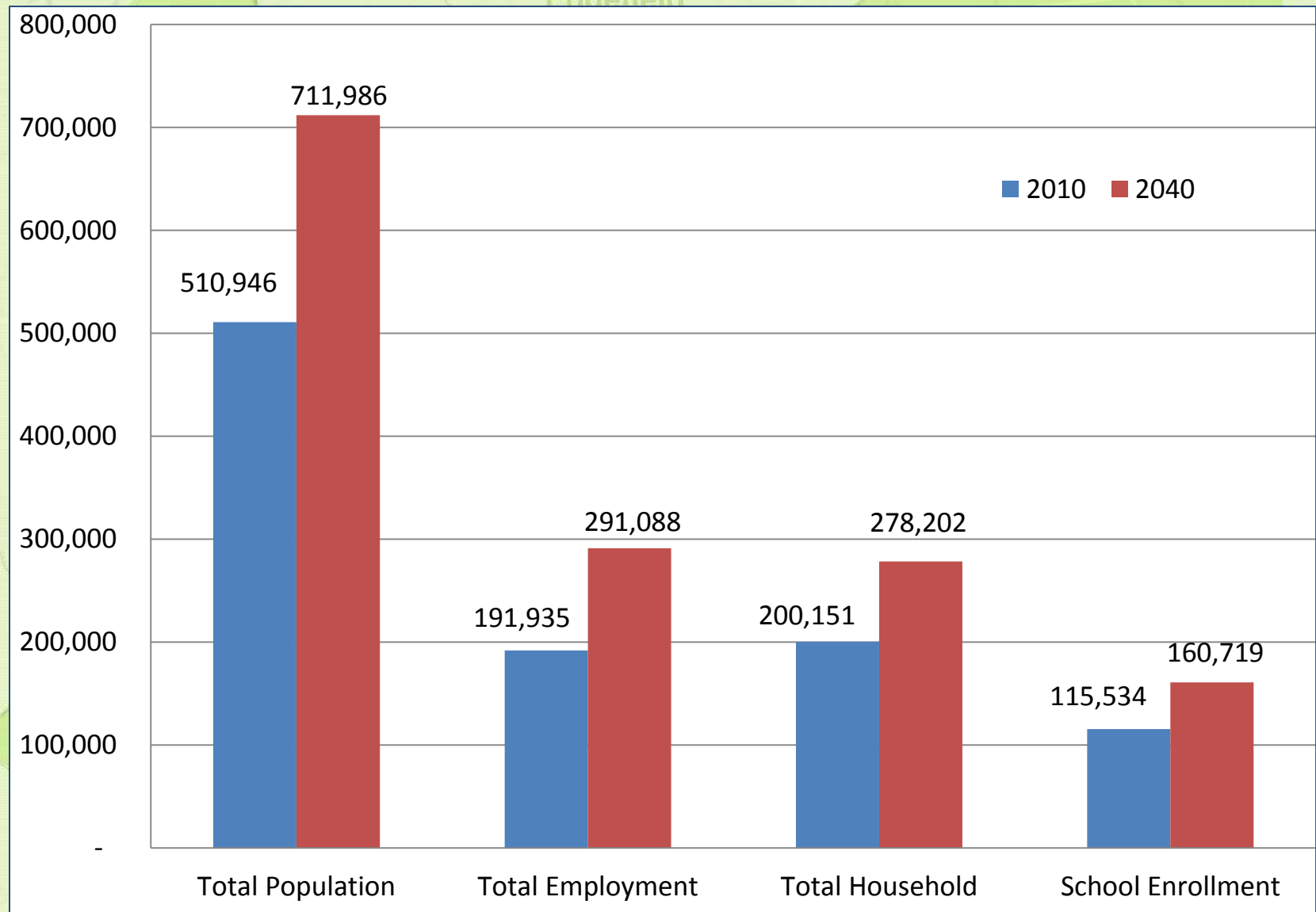


# Employment



# Socioeconomic Data

## ARTS Regional Travel Model







# Transportation Needs Assessment

## Critical Transportation Issues

Issue	Average Score
Local traffic congestion	3.93
Traffic safety issues	3.84
Lack of sidewalks	3.82
Lack of bike lanes	3.69
Lack of public transit services	3.50
Land use of transportation coordination	3.44
Lack of crosswalks	3.42
Lack of highways or road networks	3.09



# Transportation Needs Assessment

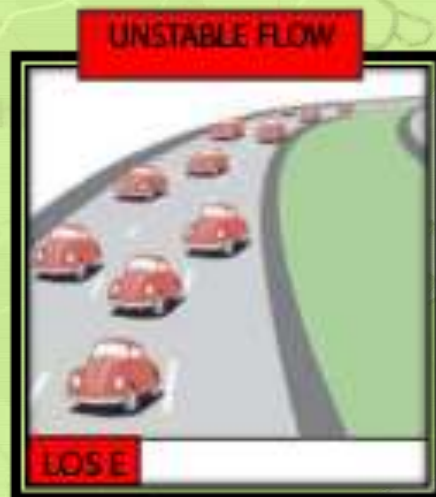
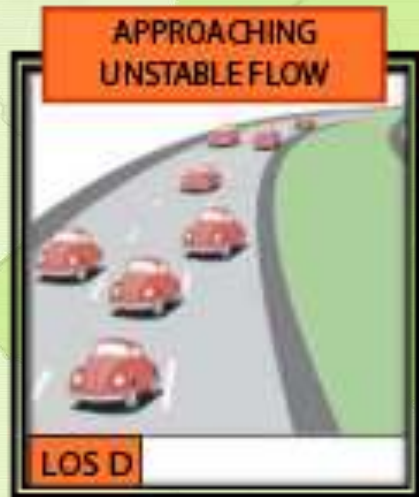
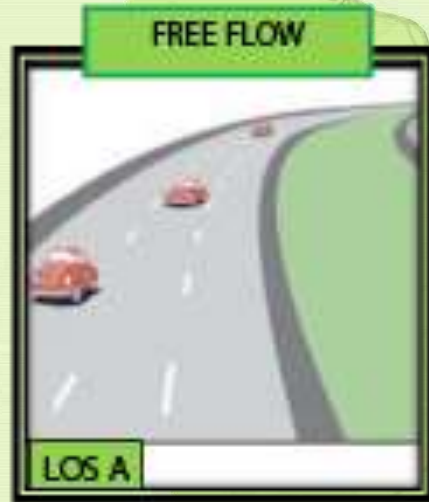
Edgefield

## Desired Transportation Priority Areas

Priority Area	Average Score
Physical condition of major streets and highways	4.50
Flow of traffic on major streets during morning or afternoon peak times	4.46
Safety controls on major streets & railroad crossings	4.28
Access to sidewalks and crosswalk areas	4.17
Neighborhood traffic safety	4.12
Availability of public transit services	3.98
Day-to-day predictability of your commute travel time (Less traffic congestion)	3.94
Ability to use another mode of transportation (Multi Modal Mobility)	3.85
Availability of bike lanes and paths	3.79
Time it takes you to commute from your home to place of employment	3.79
Availability of on-street Parking at your place of employment	3.21



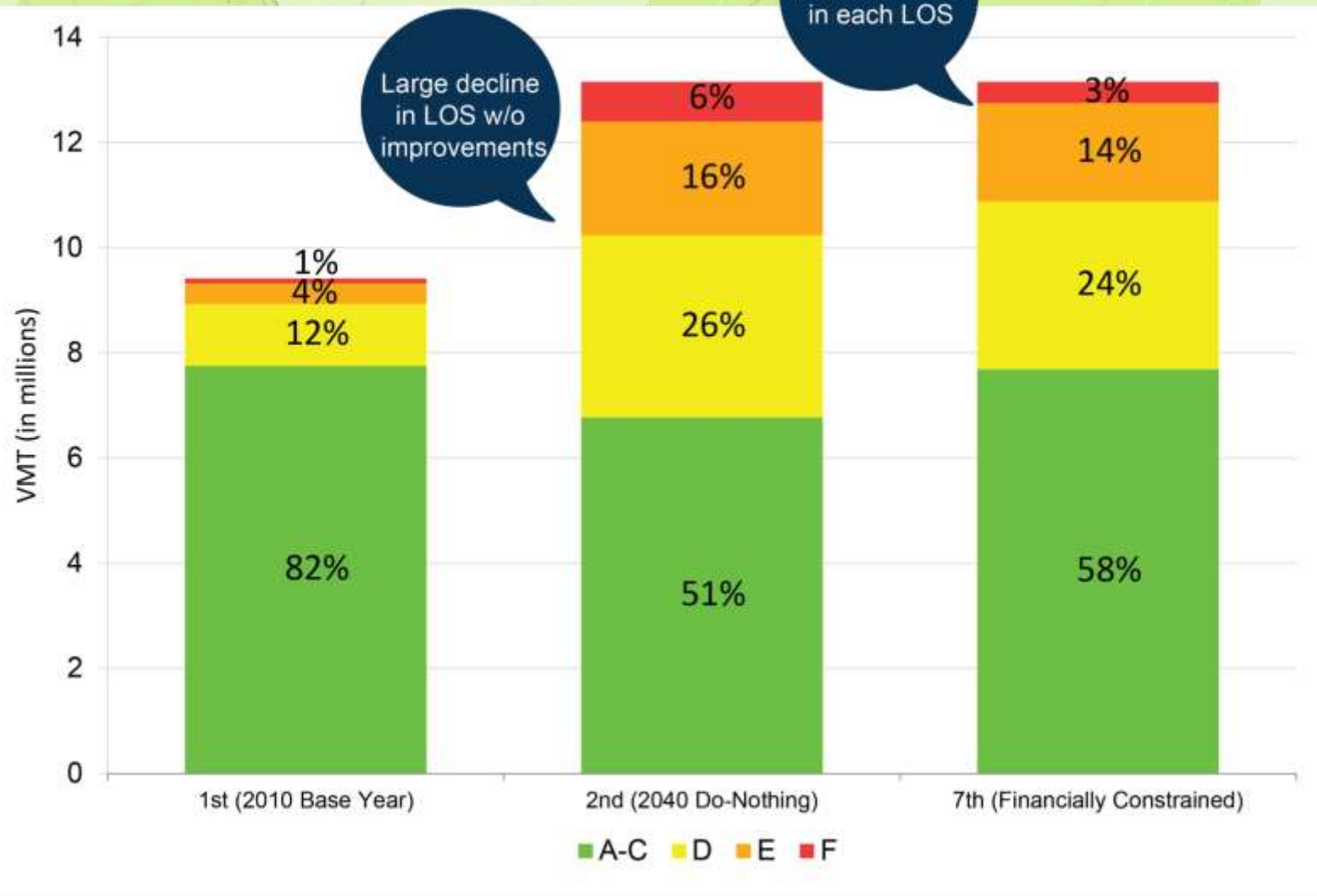
# Roadway Level of Service







# Level of Service Results





# Transportation Needs Assessment

## Edgefield

### Capacity, Level of Service and Congestion

- Implement new capacity projects on roadways that are exhibiting poor Level of Service and are Seriously Congested.
- Monitor congestion levels and implement congestion mitigation measures in South Augusta and Forth Gordon as it continues to develop.
- Continued implementation of ATMS and congestion mitigation strategies on Seriously Congested roadways identified in the annual congestion management process surveys.



### All Columbia County lights uploaded to adaptive traffic system

Posted: April 16, 2015 - 12:08am



Jim Blaylock/file - Columbia County plans to install cameras at all 65 stoplight intersections in the county.

By Wesley Brown

Staff Writer

Columbia County has added all of its 65 stoplight intersections to InSync, an adaptive traffic-control system that coordinates the timing of lights and enables them to communicate to keep vehicles moving, even as road conditions change.

"All the lights are up and running, except for a few inside construction zones on Washington, Columbia and Belair roads," Randy Prickett, the county's traffic engineering manager, said this week. "Those signals will be added once crews





# Transportation Needs Assessment

## Edgefield

### Traffic Safety Improvements

- Implement safety improvements at high crash intersections and non-intersection locations.
- Implement operational and access management improvements on corridors with extensive amounts of driveways, such as Washington Road.







# Transportation Needs Assessment

Edgefield

## Bicycle and Pedestrian

- Complete implementation of 2012 Bicycle and Pedestrian plan.
- Focus on paths and trails with regional connectivity.
- Advocate and implement bicycle and pedestrian facilities on roadway projects.
- Increase education of all road users of roadway safety.
- Continued maintenance of existing facilities.



## City of North Augusta - Development Code Article 14.4 - Street Type and Design

Mandates sidewalks on all roads Local to Arterial



# Transportation Needs Assessment

Edgefield

## Freight

- Many large state projects for freight have been completed.
- Continue to focus on corridors with high freight activity, especially near industrial areas, such as I-20.
- Implement capacity improvements on major roadways and freight corridors, including I-20, US 78, and US 278







# Transportation Improvement Strategies

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- Highway and road capacity improvements – road widening
- Traffic Operational Improvement
- Incident Management
- Traffic Calming
- Complete Streets
- Context Sensitive Design
- Access Management
- Bicycle and Pedestrian
- Land Use and Transportation
- Age-Friendly Transportation & Community Health
- Transportation Demand Management (TDM)
- Public Transit





# Financial Plan

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## **2015-2018 Transportation Improvement Program (Tier 1)**

- Programmed projects

## **2019-2029 Long Range Projects (Tier 2)**

- Fiscally constrained
- Balance of multimodal projects

## **2030-2040 Long Range Projects (Tier 3)**

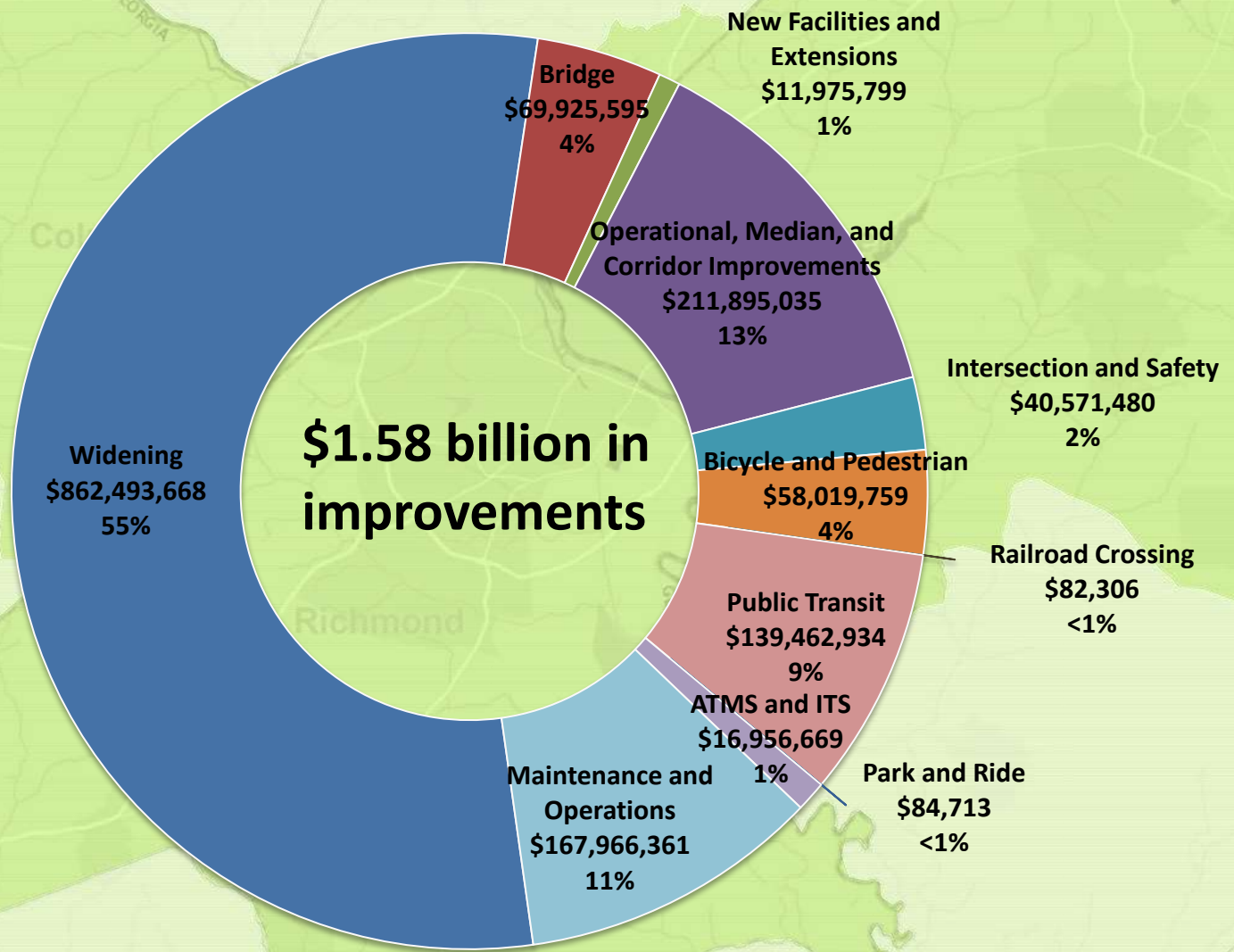
- Fiscally constrained
- Balance of multimodal projects

## **Unfunded Priority Projects**

- Large Intersection Improvements
- Large Interstate Improvements
- “Wish List”



# 2040 Financial Plan





# 2040 Financial Plan

Edgefield

## Georgia Projects Summary

Expenditures by Type	Tier 1		Tier 2		Tier 3		Total	
Widening	\$52,597,221	40.7%	\$331,940,486	58.6%	\$353,162,427	60.8%	\$737,700,134	57.8%
Bridge	\$2,715,640	2.1%	\$29,132,043	5.1%	\$2,580,575	0.4%	\$34,428,258	2.7%
New Facilities and Extensions	\$0	0.0%	\$0	0.0%	\$0	0.0%	\$0	0.0%
Operational, Median, and Corridor Improvements	\$16,780,340	13.0%	\$77,608,330	13.7%	\$85,056,150	14.7%	\$179,444,820	14.1%
Intersection and Safety	\$6,292,127	4.9%	\$10,562,523	1.9%	\$0	0.0%	\$16,854,650	1.3%
Bicycle and Pedestrian	\$2,101,030	1.6%	\$20,976,023	3.7%	\$20,096,430	3.5%	\$43,173,483	3.4%
Railroad Crossing	\$0	0.0%	\$53,249	0.0%	\$0	0.0%	\$53,249	0.0%
Public Transit	\$10,829,818	8.4%	\$34,655,222	6.1%	\$38,663,735	6.7%	\$84,148,775	6.6%
Park and Ride	\$0	0.0%	\$0	0.0%	\$84,713	0.0%	\$84,713	0.0%
ATMS and ITS	\$0	0.0%	\$4,953,158	0.9%	\$12,003,510	2.1%	\$16,956,669	1.3%
Maintenance and Operations	\$37,764,500	29.3%	\$56,457,630	10.0%	\$68,773,231	11.8%	\$162,995,361	12.8%
Total	\$129,080,676	100.0%	\$566,338,664	100.0%	\$580,420,771	100.0%	\$1,275,840,111	100.0%





# 2040 Financial Plan

Edgefield

## South Carolina Projects Summary

Expenditures by Type	Tier 1		Tier 2		Tier 3		Total	
Widening	\$21,265,000	30.4%	\$34,646,705	31.9%	\$68,277,859	11.8%	\$124,189,563	40.1%
Bridge	\$8,421,000	12.0%	\$27,076,336	24.9%		0.0%	\$35,497,336	11.5%
New Facilities and Extensions		0.0%		0.0%	\$11,975,799	2.1%	\$11,975,799	3.9%
Operational, Median, and Corridor Improvements	\$18,920,000	27.0%	\$17,687,541	16.3%	\$2,694,280	0.5%	\$39,301,821	12.7%
Intersection and Safety	\$5,677,000	8.1%	\$4,701,043	4.3%	\$13,338,787	2.3%	\$23,716,831	7.7%
Bicycle and Pedestrian	\$1,205,760	1.7%	\$2,881,248	2.7%	\$10,759,268	1.9%	\$14,846,276	4.8%
Railroad Crossing		0.0%	\$29,057	0.0%		0.0%	\$29,057	0.0%
Public Transit	\$9,589,000	13.7%	\$21,612,631	19.9%	\$24,112,528	4.2%	\$55,314,159	17.9%
Park and Ride		0.0%		0.0%		0.0%	\$0	0.0%
ATMS and ITS		0.0%		0.0%		0.0%	\$0	0.0%
Maintenance and Operations	\$4,971,000	7.1%		0.0%		0.0%	\$4,971,000	1.6%
Total	\$70,048,760	100.0%	\$108,634,562	100.0%	\$131,158,521	22.6%	\$309,841,843	100.0%



# How You Can Stay Informed

- Invite ARTS staff to your neighborhood association meeting, civic function, church or other events
- Visit the ARTS website:  
[www.augustaga.gov/2120/Transportation-Vision-2040](http://www.augustaga.gov/2120/Transportation-Vision-2040)
- Participate in the online public forum:

Public Comment Period  
July 22 – August 23, 2015



**Contact:**

**Augusta Planning and Development  
Department**

535 Telfair Street, Ste. 300

Augusta, GA 30901

Tel: (706) 821-1796

Web site: [www.augustaga.gov/arts](http://www.augustaga.gov/arts)

Email: [ARTS@augustaga.gov](mailto:ARTS@augustaga.gov)



**Get Involved**